

451-AA Bachelor of Animal Science and Management

Year and Campus:	2009																			
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																			
Level:	Undergraduate																			
Duration & Credit Points:																				
Coordinator:	Dr Julian Hill																			
Contact:	<p>Dr Julian Hill , Course Coordinators, Melbourne School of Land and Environment, The University of Melbourne, Phone: +61 3 8344 8841 Email: julianh@unimelb.edu.au (mailto:julianh@unimelb.edu.au)</p> <p>Ms Louisa King, Undergraduate Officer, Melbourne School of Land and Environment, The University of Melbourne, Phone: +61 3 8344 6390 Email: kingl@unimelb.edu.au (mailto:kingl@unimelb.edu.au)</p>																			
Course Overview:	<p>Course being phased out. (Last intake 2007).</p> <p>This course, offered at the Parkville campus, provides an understanding of animals, their biology and ecology, their management in natural and farm production systems and as companions to humans. The course provides grounding in the technical, ethical and welfare considerations attached to human-animal interactions.</p>																			
Objectives:	<p>Students who have completed this course should have acquired:</p> <ul style="list-style-type: none"> # the scientific knowledge required to care for and manage animals across a range of disciplines; # a high level of understanding and appreciation in a more specialised area of the animal sciences as applied in animal industries, companion animal management and animal models for scientific studies; # an ability to work within and contribute to the development of ethical practices in all human-animal interactions; # enhanced skills in communication, teamwork, group leadership, IT and the gathering, management, analysis and reporting of information. 																			
Subject Options:	<p>BACHELOR OF ANIMAL SCIENCE AND MANAGEMENT</p> <p>First Year subjects</p> <p>The majority of first year subjects will still be on offer in 2008 however in some circumstances subjects will no longer be available and an alternative will need to be chosen. Students should refer to the 2007 Undergraduate Handbook for first year subject details and consult with either the course co-ordinator or their undergraduate student administrative officer.</p> <p>Second Year</p> <p>Core Subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>202-202 Experimental Design/Statistical Methods</td> <td>Not offered 2009</td> <td>12.500</td> </tr> <tr> <td>208-202 Animal Physiology</td> <td>Not offered 2009</td> <td>12.50</td> </tr> <tr> <td>654-204 Ecology: Individuals and Populations</td> <td>Not offered 2009</td> <td>12.50</td> </tr> <tr> <td>208-201 Comparative Nutrition</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>208-215 Animal Health and Epidemiology</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p>Elective subjects:</p>		Subject	Study Period Commencement:	Credit Points:	202-202 Experimental Design/Statistical Methods	Not offered 2009	12.500	208-202 Animal Physiology	Not offered 2009	12.50	654-204 Ecology: Individuals and Populations	Not offered 2009	12.50	208-201 Comparative Nutrition	Semester 2	12.500	208-215 Animal Health and Epidemiology	Semester 2	12.500
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208-215 Animal Health and Epidemiology	Semester 2	12.500																		

Subject	Study Period Commencement:	Credit Points:
208-203 Ecology & Management of Grazing Systems	Not offered 2009	12.500
208-247 Biotechnology for Land and Food	Not offered 2009	12.50
521-211 Biochemistry and Molecular Biology	Semester 1	12.500
526-201 Principles of Microbiology & Immunology	Semester 1	12.500
208-207 Animal Management and Production	Semester 2	12.500
208-242 Companion Animal Biology and Management	Not offered 2009	12.50
521-212 Biochemical Regulation of Cell Function	Semester 2	12.500
654-202 Vertebrate Structure and Function	Not offered 2009	12.50

Third Year

Core subjects:

Elective subjects:

Subject	Study Period Commencement:	Credit Points:
202-301 Industry Project	Year Long	25.000
202-302 Human Resource Management	Semester 1	12.500
208-302 Molecular Biology and Breeding	Semester 1	12.500
208-303 Animal Production Systems	Semester 1	12.500
208-326 Exercise and Environmental Physiology	Semester 1	12.500
208-339 Genetics and Animal Breeding	Semester 1	12.500
208-304 Advanced Topics in Animal Science	Semester 2	12.500
208-323 Equine Management Systems	Semester 2	12.500
208-324 Applied Animal Behaviour	Semester 2	12.500
208-325 Applied Animal Reproduction	Semester 2	12.500

Entry Requirements:

This course is being phased out. There have been no new enrolments into this course since 2007. The information for this course is for continuing students who are completing this course.

Entry into undergraduate degrees is usually via applications through the Victorian Tertiary Admissions Centre (VTAC). Full details regarding the VTAC application process may be found on the VTAC website or by purchasing the VTAC Guide from newsagencies.

Core Participation Requirements:

Students enrolling in the Melbourne School of Land and Environment are advised that some courses of study may put them at an increased risk of contracting Q Fever. Q Fever is a relatively common, preventable condition which while rarely fatal, can cause a severe acute illness and can result in damage to heart valves and chronic fatigue. It is recommended that students consider undertaking screening and vaccination for Q Fever prior to commencement of study. Students may be required to provide proof of vaccination prior to undertaking some coursework. Your course coordinator will advise you of this requirement prior to commencement of the study semester. Vaccine costs for students are not covered by the Pharmaceutical Benefits Scheme (PBS), Medicare, or by the University. Some students with full private health coverage (which has hospital and ancillary cover) may receive partial re-imbursment for vaccine costs. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. This course requires all students to enrol in subjects where they must actively and safely contribute to field excursions and laboratory

	<p>activities. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison Unit (8344 7068 or DLU-enquiries@unimelb.edu.au).</p>
<p>Further Study:</p>	<p>Students may wish to continue their undergraduate studies and undertake an Honours year.</p> <p>Honours degree requirements:</p> <p>Students will be selected into the honours program on the basis of their performance in all 300-level subjects. Course planning will in all years take into account the preferred progression path and any prerequisites required in that progression.</p> <p>The honours course is comprised of coursework (three subjects, 37.5%) and a research project (62.5%). The three coursework subjects will be selected from those offered at graduate certificate, graduate diploma and advanced undergraduate levels, by the Faculty of Land and Food Resources and other faculties of the University. They will enable students to gain sufficient familiarity with the fields relevant to their research project. Applicants to the program will need to demonstrate the completion of appropriate prerequisite subjects in their undergraduate courses when selecting coursework subjects. Final subject choice will be approved by the research project supervisor. Students will also be expected to participate in research discussion groups or 'journal clubs' and attend the department's research seminar series.</p> <p>Note: Students intending to attempt to transfer to the BVetSc degree should consult the section of the Undergraduate Handbook dealing with entry requirements for that degree and discuss BAnScMan subject selection with the BAnScMan course coordinator. Selection of first-year subjects will be on the basis of individual counselling.</p>
<p>Graduate Attributes:</p>	<p>The Melbourne Experience enables our Graduates to become: Academically excellent have a strong sense of intellectual integrity and the ethics of scholarship reach a high level of achievement in writing, generic research activities, problem-solving and communication be critical and creative thinkers, with an aptitude for continued self-directed learning be adept at learning in a range of ways, including through information and communication technologies Knowledgeable across disciplines examine critically, synthesise and evaluate knowledge across a broad range of disciplines expand their analytical and cognitive skills through learning experiences in diverse subjects have the capacity to participate fully in collaborative learning and to confront unfamiliar problems Leaders in communities initiate and implement constructive change in their communities, including professions and workplaces have excellent interpersonal and decision-making skills, including an awareness of personal strengths and limitations mentor future generations of learners engage in meaningful public discourse, with a profound awareness of community need</p>
<p>Generic Skills:</p>	<p>This course encompasses particular generic skills. On completion of the course students should have:</p> <ul style="list-style-type: none"> # Awareness of and ability to utilise appropriate communication technology and methods for the storage, management and analysis of data # Capacity for creativity and innovation, through the application of skills and knowledge # Highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community # Highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community # Ability to participate effectively as a member of a team # Ability to plan work, use time effectively and manage small projects